

Title (en)
ELEVATOR CLIMBING SYSTEM

Title (de)
AUFZUGSKLETTERSYSTEM

Title (fr)
SYSTÈME DE MONTÉE D'ASCENSEUR

Publication
EP 2225171 A1 20100908 (EN)

Application
EP 08742648 A 20080408

Priority
• US 2008004534 W 20080408
• US 96400407 A 20071224

Abstract (en)
[origin: US2008190706A1] A portable elevator climbing system removably attachable to a cantilevered overhang on an adjacent structure, whereby an elevator car travels up and down a plurality of roller chains. The roller chains are engaged with sprockets and guide rollers attached to an axle driven by a motor. The orientation and alignment of the sprockets, guide rollers and roller chains provide for a stable elevator car and for a system free of backlash in both directions. The elevator climbing system includes a dampening assembly to control the rate of decent in the event of transmission, motor or other failure. The elevator climbing system may be controlled so that the start and stop of the motor is coordinated with the release and application of a braking assembly. The efficiency of the elevator climbing system may be varied by adjusting the offset between the sprockets and the guide rollers.

IPC 8 full level
B66B 9/02 (2006.01); **B66B 9/187** (2006.01); **E06C 7/12** (2006.01)

CPC (source: EP US)
B66B 9/027 (2013.01 - EP US); **B66B 9/187** (2013.01 - EP US); **E06C 7/12** (2013.01 - EP US)

Citation (search report)
See references of WO 2009082412A1

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Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
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